

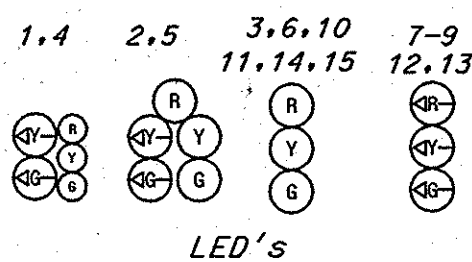
SNOWDEN RIVER PARKWAY IS CONSIDERED TO RUN  
IN A NORTH SOUTH DIRECTION

#### PROJECT DESCRIPTION

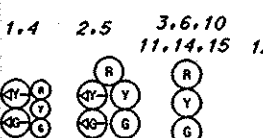
THIS PROJECT INVOLVES THE INSTALLATION OF A RAMP  
METERING SIGNAL FOR THE NB SNOWDEN RIVER PKWY  
APPROACH. THE SIGNAL WILL PROVIDE GAPS IN THE NB  
TRAFFIC TO ALLOW THE WB MD 100 RAMP MOVEMENT TO  
ENTER THE ROUNDABOUT. THE EXISTING HEADS AT  
THE MD 108 @ SNOWDEN RIVER INTERSECTION WILL  
BE UPGRADED TO LED SIGNAL HEADS.

\*\*ALL EXISTING SIGNAL HEADS TO BE  
UPGRADED TO LED HEADS

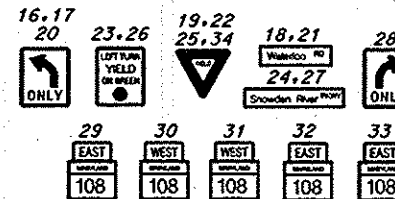
#### PROPOSED SIGNALS



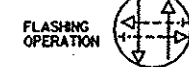
#### EXISTING SIGNALS



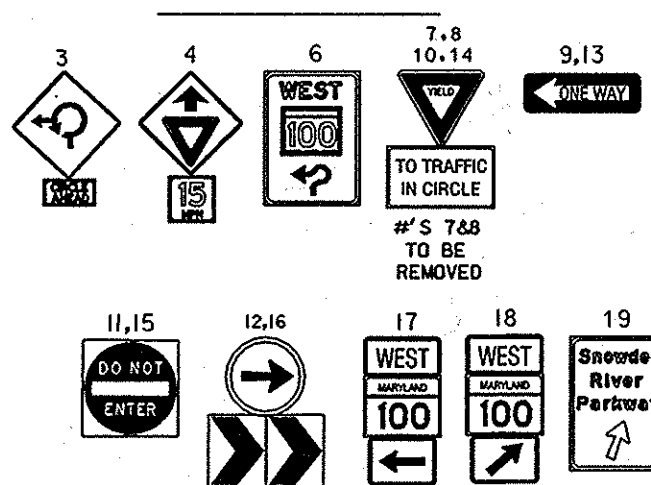
#### EXISTING SIGNS



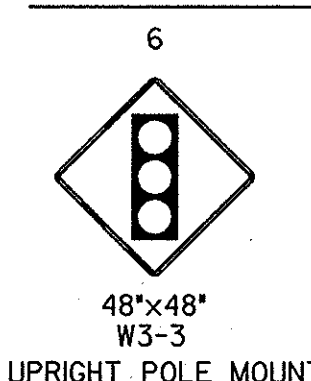
PHASES CONNECTED WITH A DASHED LINE SHALL OPERATE CONCURRENTLY  
PHASES CONNECTED WITH A SOLID LINE SHALL NOT OPERATE CONCURRENTLY



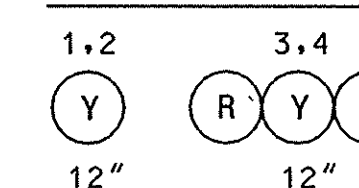
#### EXISTING SIGNS



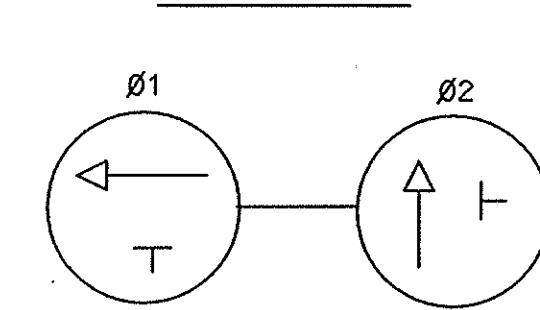
#### PROPOSED SIGNS



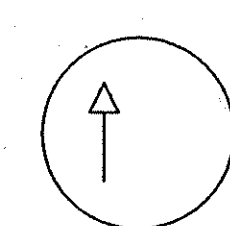
#### PROPOSED SIGNALS



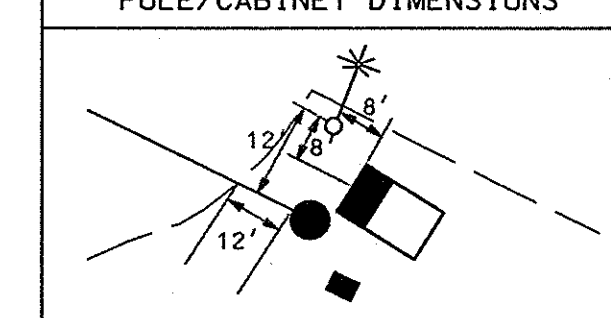
#### NEMA PHASING



#### FLASHING OPERATION



#### POLE/CABINET DIMENSIONS



THERE ARE 2 PROPOSED HANDBOXES  
LOCATED IN THIS BREAK

USE EXISTING BASE MOUNTED  
BGE TRANSFORMER LOCATED 225' +/-  
EAST OF THE ROUNDABOUT LOCATED  
ON THE NORTH SIDE OF THE WB OFF  
RAMP  
THE CONTRACTOR SHALL INSTALL APPROX. 265' OF  
4\"/>

#### CONSTRUCTION DETAILS

- REMOVE EXISTING GROUND MOUNTED SIGN
- INSTALL 2\"/>
- INSTALL 3\"/>
- INSTALL 1\"/>
- INSTALL ELECTRICAL HANDBOX
- USE EXISTING HANDBOX
- USE EXISTING CONDUIT
- INSTALL 3\"/>
- INSTALL STEEL POLE WITH SINGLE 70' MAST ARM, SIGNAL HEADS (1 3\"/>
- NOTE: SIGNAL HEADS TO BE INSTALLED IN A HORIZONTAL DISPLAY AS SHOWN IN THE LEGEND
- INSTALL 4\"/>
- INSTALL BASE MOUNTED CABINET AND CONTROLLER (2 4\"/>
- INSTALL METERED SERVICE PEDESTAL
- INSTALL STEEL POLE WITH SINGLE 70' SERIES MAST ARM WITH 35' ARM AND SIGN(1-3\"/>
- INSTALL STEEL POLE WITH SINGLE 70' SERIES MAST ARM WITH 70' ARM AND SIGN(2-3\"/>
- INSTALL 4\"/>
- REMOVE EXISTING SIGNAL HEAD AND REPLACE IN KIND WITH LED SIGNAL HEAD
- REMOVE EXISTING YIELD LINES AND SHARKS TEETH MARKINGS
- INSTALL 14\"/>
- INSTALL 20' LTB ARM W/ 250 HPS LUMINAIRE ON EXISTING SIGNAL UPRIGHT.

#### GENERAL NOTES

- THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET  
LOCATIONS PRIOR TO INSTALLATION.
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE  
PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW  
SIGNAL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL  
SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL  
EACH CABLE.
- THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR  
TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY  
CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE  
PROJECT ENGINEER.
- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE  
FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST  
ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES  
AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04.  
THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE  
INSTALLATION OF ALL SIGNAL EQUIPMENT.

#### SPECIAL NOTES

- THE CONTRACTOR SHALL REFERENCE AND USE MOT STANDARD 104.05.02
- THE CONTRACTOR SHALL CONTACT MR. RAY JOHNSON AT 410-624-8106 TO MAKE ARRANGEMENTS TO HAVE  
THE EXISTING LIGHTING CABLE LOCATED IN THE FIELD.

TOD No.: AT783-14  
SHA No.: HO377a56/B56  
MD 100 @ Snowden River Pkwy



STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 108 @ SNOWDEN RIVER PKWY  
COLUMBIA, MARYLAND

APPROVALS	REVISIONS	SCALE 1"=50'	DATE JUNE 1998	CONTRACT NO. MD-661-504-770
TEAM LEADER	D. INSTALL NB RAMP METERING SIGNAL FOR SNOWDEN RIVER PKWY. REPLACE ALL SIGNALS AT MD 108 WITH LED HEADS G883 AT783185 SEPT. 2006	DESIGNED BY R. CICHINI	COUNTY HOWARD	
ASST. DIV. CHIEF	C. REORIENTED PLANSHEET AS REQUESTED BY SIGNAL SHOP 8/2004	DRAWN BY R. CICHINI	LOGMILE 13010813.15	
DIVISION CHIEF	B SWITCHED MAINLINE, ADDED PRESENCE DETECTION ALONG MD 108 AND UPGRADED TO VIDEO DETECTION AT785165 4/2004	CHECKED BY D. PETERS	T.I.M.S. NO. F 829	
OFFICE DIRECTOR	STV/MR	F.A.P. NO.	TOD NO.	
		DRAWING NO. TS 3581	OF	SHEET NO. OF

PLOTTED: TUESDAY, SEPTEMBER 05, 2006 AT 12:24:23 PM  
FILE: MD 108 @ SNOWDEN RVR-REDLINE.DGN